REFERNCES

Al-Matar, H. M., Khalil, K. D., Adam, A. Y., and Elnagdi, M. H. **(2010)** Green One Pot Solvent-Free Synthesis of Pyrano[2,3-c]-Pyrazoles and Pyrazolo[1,5-*a*]Pyrimidines. *Molecules*, **15**, 6619–6629.

Arijit S., Soumen P. and Subhash B. **(2015)** One-pot multicomponent synthesis of highly functionalized bio-active pyrano[2,3-*c*]pyrazole and benzylpyrazolylcoumarin derivatives using ZrO_2 nanoparticles as a reusable catalyst. *Green Chem.*, **17**, 2859-2866.

Behrooz M., Negar N., Reza T., Amir K. and Hossien A. A. **(2016)** Green synthesis of tetrahydrobenzo[*b*]pyrans, pyrano[2,3-*c*]pyrazoles and spiro[indoline-3,4′-pyrano[2,3-*c*]pyrazolescatalyzed by nano-structured diphosphate in water. *RSC Adv.*, **6**, 79128-79134.

Bhatt J. D., Chudasama C. J., and Patel K. D. **(2015)** Pyrazole clubbed triazolo[1,5-a]pyrimidine hybrids as an anti-tubercular agents: Synthesis, *in vitro* screening and molecular docking study. *Bioorg Med Chem.* **23,** 7711-7716.

Bing Wang, Qiangqiang Li, Wei Shi, Li Chen andJianbo Sun. **(2018)** Design, synthesis, and cytotoxic evaluation of novel furo[2,3-b]quinoline derivatives. *Chem Biol Drug Des.* **91,**957-961.

Bi Liu, Fen Li, Ting Zhou, Xiu-Qin Tang and Guo- Wen Hu.**(2018)** Quinoline Derivatives with Potential Activity Against Multidrug-resistant Tuberculosis. *J.Het.Chem.***55,** 1863-1873.

El-Gendy M. M., Shaaban M., Shaaban K. A., El-Bondkly A. M. and Laatsch H.**(2008)** Essramycin: a first triazolopyrimidine antibiotic isolated from nature.*J. Antibiot (Tokyo).* **61,** 149-157.

Enders D., Grossmann A., Gieraths B., Düzdemir M. and Merkens, C. **(2012)** Organocatalytic One-Pot Asymmetric Synthesis of 4*H*,5*H*-Pyrano[2,3-*c*]pyrazoles. *Org Lett.***14**, 4254–4257.

GilandoustM., Harsha K. B., Mohan C. D., Raquib A. R., Rangappa S., Pandey V., Lobie P. E., Basappa and Rangappa K. S. **(2018)** Synthesis, characterization and

cytotoxicity studies of 1,2,3-triazoles and 1,2,4-triazolo [1,5-a] pyrimidines in human breast cancer cells. *Bioorg. Med. Chem. Lett.* **28,**2314-2319.

Jain P. P., Degani M. S., Raju A., Anantram A., Seervi M., Sathaye S., Ray M. and Rajan M. G. R. **(2016)** Identification of a novel class of quinoline-oxadiazole hybrids as anti-tuberculosis agents. *Bioorg Med Chem Lett.* **26,** 645-649.

Kanchithalaivan, S., Sivakumar, S., RanjithKumar, R., Elumalai, P., Ahmed, Q. N., and Padala A. K **(2013)** Four-component domino strategy for the combinatorial synthesis of novel 1,4-dihydropyrano[2,3-c]pyrazol-6-amines, *ACS Comb Sci.***15,**631-638

Keri R. S. and Patil S. A. **(2014)** Quinoline: a promising antitubercular target.*Biomed Pharmacother*.**68,** 1161-1175.

Keri R. S., Patil S. A., Budagumpi S. and Nagaraja B. M. **(2015)** Triazole: A Promising Antitubercular Agent.*Chem Biol Drug Des.*,**86,** 410-423.

Khurana, J. M., Nand, B., and Kumar, S. **(2011)** Rapid Synthesis of PolyfunctionalizedPyrano[2,3-c]pyrazolesviaMulticomponent Condensation in Room-Temperature Ionic Liquids. *Synth.Commun.***41**, 405–410.

Kuang W. B., Huang R. Z., Qin J. L., Lu X., Qin Q. P., Zou B. Q., Chen Z. F., Liang H. and Zhang Y. **(2018)** Design, synthesis and pharmacological evaluation of new 3-(1H-benzimidazol-2-yl)quinolin-2(1H)-one derivatives as potential antitumor agents. *Eur J Med Chem.***30**, 139-150.

Maksym F. and Mikhailo S. **(2016)** Synthesis of [1,2,4]triazolo[1,5-*a*]pyrimidine (microreview). *Chem. of Het. Comp.***52,** 155-157.

Mandha S. R., Siliveri S., Alla M., Bommena V. R., Bommineni M. R. and Balasubramanian S.**(2010)** Eco-friendly synthesis and biological evaluation of substituted pyrano[2,3-c]pyrazoles.*Bioorg Med Chem Lett.* **22,** 5272-5278.

Mecadon, H., Rohman, R., Rajbangshi, M., and Myrboh, B. **(2011)** γ-Alumina as a recyclable catalyst for the four-component synthesis of 6-amino-4-alkyl/aryl-3-methyl-2,4-dihydropyrano[2,3-*c*]pyrazole-5-carbonitriles in aqueous medium, *Tet. Let.*,**52,**2523-2525.

Mohan K. K., Inturi B., Pujar G. V., Purohit M. N. and Vijaykumar G. S. **(2014)** Design, synthesis and 3D-QSAR studies of new diphenylamine containing 1,2,4-triazoles as potential antitubercular agents. *Eur. J. Med. Chem.* **12,** 516-529.

Muscia G. C., Buldain G. Y., and Asís S. E. **(2014)** Design, synthesis and evaluation of acridine and fused-quinoline derivatives as potential anti-tuberculosis agents. *Eur. J. Med. Chem.* **73**, 243-249.

N. SankaraRao, AnverBasha Shaik, Sunitha Rani Routhu,Ali Hussaini, Satish Sunkari, A. V. SubbaRao, A. Malla Reddy, Abdullah Alarifi and Ahmed Kamal**(2017)** New Quinoline Linked Chalcone and Pyrazoline Conjugates: Molecular Properties Prediction, Antimicrobial and Antitubercular Activities. *ChemistrySelect* **2**, 2989-2996.

Serena M., Jenny D., Giulio N., Stefano S., Sara T., Laura G., Violetta C., Arianna L. and Oriana T. **(2017)** Efficient and regioselective one-step synthesis of 7-aryl-5-methyl- and 5-aryl-7-methyl-2-amino-[1,2,4]triazolo[1,5-*a*]pyrimidine derivatives. *Org. Biomol. Chem.*, **15**, 7944-7955.

Tanwar B., Kumar A., Yogeeswari P., Sriram D. and Chakraborti A. K. **(2016)** Design, development of new synthetic methodology, and biological evaluation of substituted quinolines as new anti-tubercular leads.*Bioorg Med Chem Lett.* **26**, 5960-5966.

Tariq A. S., Zubair A., Niyaz A. M., Muneer M., Nigam P. R. and Musheer A. **(2015)** One step synthesis of highly functionalized thiazolo[3,2-*b*][1,2,4]triazole, triazolo[1,5-*a*]pyrimidine and triazolo[3,4-*b*][1,3,4]thiadiazine. RSC Adv. **5**, 107931-107937.

Umamatheswari S.and SankarC.**(2017)** Synthesis, identification and *in vitro* biological evaluation of some novel quinoline incorporated 1,3-thiazinan-4-one derivatives. *Bioorg Med Chem Lett.* **27,** 695-699.Wang H., Lee M., Peng Z., Blázquez B., Lastochkin E., Kumarasiri M., Bouley R., Chang M. and Mobashery S. **(2015)** Synthesis and evaluation of 1,2,4-triazolo[1,5-a]pyrimidines as antibacterial agents against Enterococcus faecium. *J. Med. Chem.* **58,**4194-4203.

Wang T., Tang Y., Yang Y., An Q., Sang Z., Yang T., Liu P., Zhang T., Deng Y. and Luo Y. **(2018)** Discovery of novel anti-tuberculosis agents with pyrrolo[1,2-*a*]quinoxaline-based scaffold. *Bioorg Med Chem Lett.* **28,** 2084-2090.

Wang S., Zhao L. J., Zheng Y. C., Shen D. D., Miao E. F., Qiao X. P., Zhao L. J., Liu Y., Huang R., Yu B. and Liu H. M. **(2017)** Design, synthesis and biological evaluation of [1,2,4]triazolo[1,5-a]pyrimidines as potent lysine specific demethylase 1 (LSD1/KDM1A) inhibitors.*Eur. J. Med. Chem.***125**, 940-951.

Wen-Bin Kuang, Ri-Zhen Huang, Yi-Lin Fang, Gui-Bin Liang, Chen-Hui Yang, Xian-Li Ma and Ye Zhang. **(2018)** Design, synthesis and pharmacological evaluation of novel 2-chloro-3-(1*H*-benzo[*d*]imidazol-2-yl)quinoline derivatives as antitumor agents: *in vitro* and *in vivo*antitumor activity, cell cycle arrest and apoptotic response. *RSC Adv.* **8**, 24376-24385.

Zhen Xiao, Fei Lei, Xiuying Chen, Xiaolei Wang, Lujie Cao, Kejun Ye, Wufu Zhu and Shan Xu.(**2018**) Design, synthesis, and antitumor evaluation of quinoline-imidazole derivatives. *Arch Pharm (Weinheim)*.**351,** e1700407.

Zou, Y., Hu, Y., Liu, H., and Shi D**(2012)** Rapid and efficient ultrasound-assisted method for the combinatorial synthesis of spiro[indoline-3,4'-pyrano[2,3-c]pyrazole] derivatives, *ACS Comb Sci*. **15**, 38-43.